

Special session 5
ASTRONOMY FOR THE DEVELOPING WORLD

Monday August 21 09:00 to Tuesday August 22 17:30

Scientific Organizing Committee: J. Hearnshaw (New Zealand, chair), A. Alsabti (UK, Iraq), J. Fierro (Mexico), M. Gerbaldi (France), H. Haubold (Germany), B. Jones (UK), A. Kembhavi (India), H. Levato (Argentina), P. Martinez (South Africa), J. Narlikar (India), J. Pasachoff (USA), J. Percy (Canada), B. Soonthornthum (Thailand), P. Willmore (UK), J. White (USA).

Monday August 21

Session I: Overview to astronomy in the developing world

- 09:00 Welcoming address
09:05 TWAN: a way of networking third-world astronomers (Invited) J. Narlikar
09:25 A survey of published astronomical outputs of countries 1976-2005 (Invited) J. Hearnshaw
09:45 Promoting astronomy in developing countries: an historical perspective R. Kochhar
10:00 Astronomy – the Caribbean view from the ground up S. Haque
10:15 A new astronomical facility for Peru: transforming a 32-m antenna into a radiotelescope J. Ishitsuka
10:30 Coffee

Session II: Astronomy in Latin America

- 11:00 Formal education in astronomy in Latin America (Invited) H. Levato
11:20 Astronomy for teachers in Mexico (Invited) J. Fierro
11:40 Encounters with science at ULA, Venezuela: an incentive for learning P. Rosenzweig
11:55 Developing astronomy in Cuba R. Rodríguez
12:10 Planetario Habana: a cultural centre for science and technology O. Álvarez
12:25 Activities of the Observatorio Astronómico Los Molinos, Uruquay G. Tancredi
12:40 Lunch

Session III: Astronomy in Africa and eastern Asia

- 13:50 Capacity building for astronomy education and research in Africa (Invited) P. Martinez
14:10 Astronomy in Asia (Invited) B. Soonthornthum
14:30 Astronomy in Thailand B. Kramer
14:45 Astronomy in Vietnam Lan Nguyen Quynh
15:00 ELT site prospecting in the Moroccan Atlas Mountains Z. Benkhaldoun
15:15 The astronomical observatory Khurel Togoot in Mongolia B. Damdin
15:30 Coffee

Session IV: Astronomy in the Middle East and central Asia

- 16:00 Astronomy in Iraq (Invited) A. Alsabti
16:20 Astronomy in Iran (Invited) Y. Sobouti
16:40 Astronomy in the former Soviet territory after the USSR disintegration N. Bochkarev
16:55 Relativistic astrophysics and cosmology in Uzbekistan B. Ahmedov
17:10 Teaching and research in astronomy using small aperture optical telescopes S. Pandey
17:25 Astronomical education in Armenia H. Harutyunian
17:40 Close of day 1

Tuesday August 22

Session V: Astronomy education in developing countries: astronomy in eastern Europe

- 09:00 Distance education at university level – opportunities and pitfalls (Invited) B. Jones
09:20 International School for Young Astronomers (ISYA): their new horizon (Invited) M. Gerbaldi
09:40 Astronomy and astrophysics in Bosnia and Herzegovina A. Andic
09:55 Study astrophysics in Split! D. Krajnovic
10:10 Astronomy in Serbia and Montenegro O. Atanackovic-Vukmanovic
10:25 Coffee

Session VI: Astronomy education in developing countries

- 11:00 Observing solar eclipses in the developing world (Invited) J. Pasachoff
11:20 Undergrad and graduate programs in astronomy for the developing world (Invited) J. Percy
11:40 A packet of proposals for collaboration between the IAU and developing world M. Kaldalu
11:55 Basic astronomy as part of general higher education in the developing world J. Baruch
12:10 Implementing an education and outreach program for Gemini Observatory in Chile A. García
12:25 Projects of the LIADA teaching and popularization section P. Bretones
12:40 Lunch

Session VII: Promoting astronomy in developing countries through the UN and the IHY

- 14:00 The United Nations basic space science initiative (Invited) H. Haubold
14:20 The International Heliophysical Year program and associated IAU activities (Invited) D. Webb
14:40 Globalizing space and Earth science: the IHY education and outreach program C. Rabello-Soares
14:55 The UN basic space science initiative for IHY 2007 N. Gopalswamy
15:10 Exploiting software tools towards easier use and higher efficiency G. Lin
15:25 Coffee

Session VIII: COSPAR capacity-building workshops and the virtual observatory

- 16:00 The COSPAR capacity-building workshop programme, 2000–2007 (Invited) K. Arnaud
& P. Willmore
16:20 Developing countries and the virtual observatory (Invited) A. Kembhavi
16:40 Panel discussion; discussion of posters
17:20 Concluding remarks
17:30 Close of special session 5

Poster papers accepted

- 1 Developments in space research in Nigeria O. Oke
2 The first two years of the Latin American Journal of Astronomy Education P. Bretones
3 Opportunities and the perception of space programs in developing countries B. Abubakar
4 Role of voluntary organizations in astronomy popularization: a case study of
Khagol Mandal, Mumbai, India A. Sule
5 Astronomy in Columbia W. Cepeda-Peña
6 Astronomy education and popularization facilities at Guanajuato University in Mexico
H. Bravo-Alfaro
7 Astronomical extinction over Moroccan ELT sites from aerosol satellite data E. Siher
8 Modern facilities in astronomy education M. Mickaelian
9 Measurement of light pollution of the Iranian National Observatory S. Hosseini
10 Effect of altitude on aerosol optical properties A. Bounhir
11 Astronomy education in Morocco H. Darhmaoui
12 Astronomy development in Thailand: roles of NARI B. Kramer
13 Progress on the Suffa large radiotelescope project G. Shanin
14 Collaboration and development of radio astronomy in Australasia and the south Pacific
region: New Zealand perspectives S. Gulyaev
15 Mutual collaboration between Institute of technology, Bandung, Indonesia and Gunma
Astronomical Observatory, Japan O. Hashimoto
16 Application of the field system FS9 and a PC to antenna control interface in radio astronomy
in Peru E. Vidal
17 A series of technologies that advance the goal of data sharing G. Lin
18 The Space Weather Monitor project: bringing hands-on science to students of the developing
world D. Scherrer
19 ESO strategy to promote astronomy and science culture in Chile G. Argandoña